

C2-7110, C2-7100 Specifications

Video Inputs

| | |
|-----------------|---------------------------------|
| Composite Video | 3x via BNC Connector |
| YC (S-Video) | 3x via 4-PIN Mini-DIN Connector |
| DVI-I (Note 1) | 3x via DVI-I Connector |

Genlock Input

| | |
|------------------|-------------------------|
| Reference Signal | Any of the Video Inputs |
|------------------|-------------------------|

Independent Output 1

| | |
|-----------------|---------------------------------|
| Composite Video | 1x via BNC Connector |
| YC (S-Video) | 1x via 4-PIN Mini-DIN Connector |
| DVI-I (Note 1) | 1x via DVI Connector |

Independent Output 2

| | |
|-----------------|---------------------------------|
| Composite Video | 1x via BNC Connector |
| YC (S-Video) | 1x via 4-PIN Mini-DIN Connector |
| DVI-I (Note 1) | 1x via DVI Connector |

Input/Output Range

| | |
|-----------------------|---|
| Computer Resolutions | Analog: Up to 2048x2048 DVI: Up to 1280x1024 @ 60Hz/1080p30 |
| Max Vert Refresh Rate | 250Hz |
| Max Horiz Frequency | 150KHz |
| HDTV Resolutions | All thru 1080p |
| Interface Support | Progressive and Interlaced |
| Television Standards | NTSC 3.58, 4.43, PAL-B,G,I,D, H, PAL-M, PAL-N & SECAM (In Only) |

Input RGB Sync

| | |
|-------------------|----------------------|
| Type | RGBHV, RGBS, RGsB |
| Level / Impedance | TTL, 10KΩ |
| Polarity | Positive or Negative |
| Maximum Level | 5Vp-p |

Output RGB Sync

| | |
|-------------------|----------------------|
| Type | RGBHV, RGsB |
| Level / Impedance | 5Vp-p, 220Ω |
| Polarity | Positive or Negative |

Input/Output YPbPr Sync

| | |
|------|-----------|
| Type | Tri-Level |
|------|-----------|

Control Methods

| | |
|-----------------------|--|
| Front Panel – C2-7200 | 10x2 Programmable Buttons +LED, Rotary Selector and LCD |
| Front Panel – C2-7110 | 48 Buttons + LED and LCD |
| RS-232 Interface | DB-9 Male Connector |
| IP Interface | RJ45 Connector |

Mechanical

| | |
|----------------------|-------------------------------|
| Desktop Case (HWD) | 44x432x201mm (1.75"x17"x7.9") |
| With Rack Ears (HWD) | 44x483x201mm (1.75"x19"x7.9") |
| C2-7100 Weight (Net) | 3.16 kg (6.95 lbs) |
| C2-7110 Weight (Net) | 3.16 kg (6.95 lbs) |

Environmental

| | |
|-----------------------|----------------------------------|
| Operating Temperature | 0° to +50° C (+32° to +122° F) |
| Operating Humidity | 10% to 85%, Non-condensing |
| Storage Temperature | -10° to +70° C (+14° to +158° F) |
| Storage Humidity | 10% to 85%, Non-condensing |

Regulatory Approvals

| | |
|-------------------|----------------------------|
| Video Scaler Unit | FCC, CE, RoHS |
| Power Supplies | UL, CUL, CE, PSE, GS, RoHS |

Warranty

| | |
|------------------|-------------------------|
| Limited Warranty | 2 Years Parts and Labor |
|------------------|-------------------------|

General

| | |
|---------------------------|--|
| Image Size & Position | AutoSet or Manual |
| Image Zoom Range | Continuous to 10x |
| Image Shrink Range | Continuous to 10% |
| Image Mirroring | Horizontal and/or Vertical |
| Image Freeze | Full Frame |
| Video Sampling Rate | 108MHz |
| Resolution Memory | Approximately 1,000 Definable |
| Firmware Memory | Flash, Upgradeable via RS-232 |
| Flicker Filter | 4-Level Vertical |
| PIP | 2 Windows & Background from any 3 Inputs |
| Number PIP Windows | 2 in Dual PIP Mode, 1 in Switcher & Ind. Modes |
| Video I/O Impedance | 75Ω |
| Video Decoder | 9-bit Digital |
| Comb Filter Decoding | Adaptive |
| De-Interlacing (PAL-NTSC) | Pixel-level Motion Adaptive |
| Film Mode (NTSC) | 3:2 Pull Down Detection |
| Video Encoder | 10-bit Digital |
| Digital Sampling | 24-bit, 8-bits per R, G and B |
| Colors | 16.7 Million |
| Video Scaling Engine | Proprietary CORIO®2 |
| Internal Format | 4:4:4 YUV |
| Internal Test Patterns | User Defined |
| LCD Panel | 24x2 Character |
| Logo Inserter | Flash Programmable |
| Proc Amp Adjustments | Brightness, Contrast, Saturation, & Hue for CV & YC Inputs, plus Video Level for RGB Input |
| Proc Amp Memory | Settings for each Video Input |

Power Requirement

| | |
|-----------------------|--------------------------|
| Internal Power Supply | 100-240VAC, 47-63Hz, 50W |
|-----------------------|--------------------------|

Accessories Included

| | |
|----------------------|------------------------|
| 2x Adapters | DVI to HD-15F Adapters |
| 1x AC Power Cord | US, UK or Euro |
| 1x Operations Manual | |
| 1x Rackmount Kit | 2 Ears and 4 Screws |

Product Item Number

| | |
|---------|---------------------------|
| C2-7110 | Version w/EXP Front Panel |
| C2-7100 | Version w/STD Front Panel |

Optional Accessories

| | |
|---------------------|--|
| CC-300 | CORIOconsole |
| A2-2000 | Audio Switcher |
| Input/Output Cables | Various Types |
| RM110 | Long arm rack ears for 24" to 32" deep racks |
| 1x Control Software | Downloadable from website |

Note

(1) DVI-I Input/Output connectors also accommodate RGBHV, RGBS (In Only), RGsB, YUV & YPbPr formats.

Audio Switching (Optional A2-2000 - Note 2)

| | |
|--------------------|-----------------------------|
| Stereo Inputs | 10x Balanced and Unbalanced |
| Program Output | 1x Balanced and Unbalanced |
| Preview Output | 1x Balanced and Unbalanced |
| Connectors per I/O | 2x RCA for Unbalanced |

Notes

(2) A2-2000 is controlled from the C2-7100 and provides Audio Follow Video or Audio Breakaway.

